

PAT-NO: JP02002161349A  
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TITLE: HOT-DIP Al-Zn BASED ALLOY COATED STEEL SHEET  
WITH ELEGANT APPEARANCE AND MANUFACTURING METHOD  
THEREFOR  
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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a hot-dip Al-Zn coated steel sheet having a large uniform spangle, and a manufacturing method therefor.

SOLUTION: The steel sheet comprises having a coating film thereon, which consists of 40-70% Al, 0.5-5.0% Si, Zn, and unavoidable impurities as remainders, includes S of 0.0050% or less for the unavoidable impurities, and exhibits spangle with an average diameter of 0.8 mm or more and with a standard deviation of the diameter of 0.20 mm or less. The manufacturing method comprises hot-dip plating the steel sheet while preventing S from contaminating the plating bath. The manufacturing method particularly comprises washing and/or brushing a surface of a base material before immersing it in the plating bath.